

Date: Thu, 14 Jan 93 13:35:32 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #61
To: Info-Hams

Info-Hams Digest Thu, 14 Jan 93 Volume 93 : Issue 61

Today's Topics:

 BBS Software
 How to get line-level audio out from DJ-580?
 Kenwood TK-830 Users
 radio wave jamming or scrambling...
 Weekly Solar Terrestrial Forecast & Review - 15-24 Jan

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Jan 93 19:54:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: BBS Software
To: info-hams@ucsd.edu

I would like to set up a small dial-up BBS for a business
application, and I'm looking for recommendations from people
who have experience with DOS BBS software.

The only unusual requirement is that some users must be able
to shell out of the BBS proper and run a specific DOS program,
then return to the BBS. I have seen several communications
programs (such as ProComm Plus) that permit "privileged users"
to shell out. However, they have the drawback that the privileged
user has access to **everything**, not just a specific file/program/
directory. That's more freedom than I'd like to give...

Any suggestions?

Thanks in advance -
Michael Owen
MROWEN@STLAWU

Date: 14 Jan 93 20:10:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: How to get line-level audio out from DJ-580?
To: info-hams@ucsd.edu

>for driving an 8-ohm speaker. Is there an adaptor or simple circuit I
> could buy/build to do the conversion?

Ross....

A quick fix I've used for many years for this problem with other radios and scanners is to buy the "attenuating patch cord" at Radio Shack or other supply house. Mine have mini plugs on each end, so you may also need the appropriate adaptor to connect to your recorder input. (I also use a "wye" to split the audio line...one leg to the recorder input, the other to an external speaker so I can still listen while recording.) Gud luck.....Bob, WB5FBS

Date: 14 Jan 1993 21:21:39 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!sdd.hp.com!elroy.jpl.nasa.gov!marconi!
cyamamot@network.UCSD.EDU
Subject: Kenwood TK-830 Users
To: info-hams@ucsd.edu

Greetings!

Is there anyone out there who has used (or know someone who uses) the Kenwood TK-830 UHF mobile rig in the ham bands? This commercial rig "officially" does not cover 430-450 but I'd like to chat with someone who might be using these radios in such a fashion.

Any names, leads, opinions, etc. would be appreciated!

Thanks.

- Cliff Yamamoto

Date: 14 Jan 93 20:36:46 GMT
From: olivea!charnel!sifon!CC.UMontreal.CA!IRO.UMontreal.CA!
kovic.IRO.UMontreal.CA!quennevi@ames.arpa
Subject: radio wave jamming or scrambling...
To: info-hams@ucsd.edu

Hi,
my neighbors are driving me nuts with their radio
(conventionnal am/fm radio) and i'd like to jam
their radio so that they cant hear anything or
just some white noise... is there a method to
jam fm/am radio waves?????

help!

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"J'ai le vertige quand je vois de petits enfants, non
pas parcequ'ils me donnent de fortes emotions, mais
bien parceque je suis tres grande."

Date: 14 Jan 93 21:25:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: Weekly Solar Terrestrial Forecast & Review - 15-24 Jan
To: info-hams@ucsd.edu

--- SOLAR TERRESTRIAL FORECAST AND REVIEW ---
January 15 to January 24, 1993

Report Released by Solar Terrestrial Dispatch
P.O. Box 357, Stirling, Alberta, Canada
T0K 2E0
Accessible BBS System: (403) 756-3008

For information regarding our Dynamic Auroral Oval Simulator and its
importance in aiding to determing propagation conditions,
send a request for more information to:
Oler@Rho.Uleth.CA, or COler@Solar.Stanford.Edu

Our Spring Special is now in effect for this software and
will remain active until 31 May, 1993.

SOLAR AND GEOPHYSICAL ACTIVITY FORECASTS AT A GLANCE

10-DAY SOLAR/RADIO/MAGNETIC/AURORAL ACTIVITY OUTLOOK

VERY ACTIVE		*	*								NONE
ACTIVE	***	***	***	***	**	*	*				NONE
UNSETTLED	***	***	***	***	***	***	***	***	***	***	NONE
QUIET	***	***	***	***	***	***	***	***	***	***	NONE
VERY QUIET	***	***	***	***	***	***	***	***	***	***	NONE
-----	---	---	---	---	---	---	---	---	---	---	-----
Geomagnetic Field	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Anomaly
Conditions	Given in 8-hour UT intervals										Intensity

CONFIDENCE LEVEL: 70%

NOTES:

Predicted geomagnetic activity is based heavily on recurrent phenomena. Transient energetic solar events cannot be predicted reliably over periods in excess of several days. Hence, there may be some deviations from the predictions due to the unpredictable transient solar component.

60-DAY GRAPHICAL ANALYSIS OF GEOMAGNETIC ACTIVITY

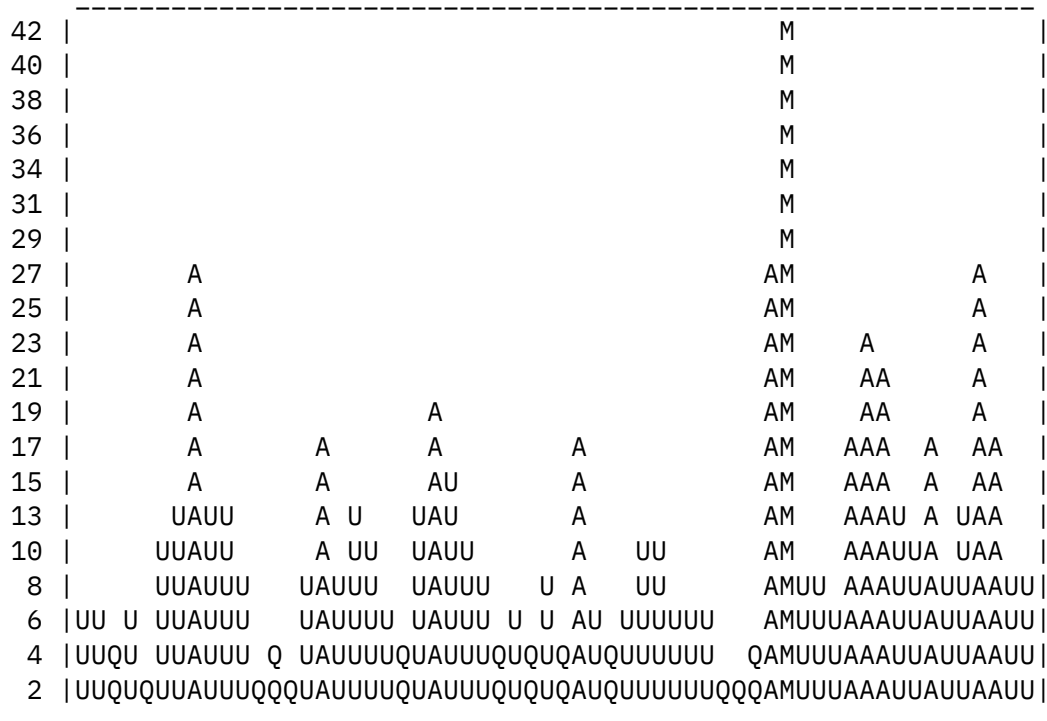


Chart Start Date: Day #321

NOTES:

This graph is determined by plotting the greater of either the planetary A-index or the Boulder A-index. Graph lines are labelled according

Q = Quiet, U = Unsettled, A = Active, M = Minor Storm, J = Major Storm, and S = Severe Storm.

.....

Chart Start: Day #320
'E' = Flare Enhanced Flux

```

142 |
141 |
140 |
139 |

```

```

138 | *****|
137 | *****|
136 | *****|
135 | *****|
134 | *****|
133 |      **** *****|
132 | *****|
131 | *****|
130 | *****|
129 | *****|
128 | *****|
127 | *****|
126 | *****|
125 | *****|
124 | *****|
123 | *****|

```

Chart Start: Day #320

NOTES:

The 10.7 cm solar radio flux is plotted from data reported by the Penticton Radio Observatory (formerly the ARO from Ottawa). High solar flux levels denote higher levels of activity and a greater number of sunspot groups on the Sun. The 90-day mean solar flux graph is charted from the 90-day mean of the 10.7 cm solar radio flux.

CUMULATIVE GRAPHICAL CHART OF SUNSPOT NUMBERS

```

-----
197 | |
190 |      *|
183 |     * *|
176 |    *** *|
169 |    *** *|
162 |    *** *  *|
155 |      * *      *|
148 |  *  *|
141 | ** ** *|
134 | ** ** *|
127 | *****|
120 | ***** *|
113 | ***** *|
106 | ***** *|
099 | ***** *|
092 | ***** **|

```

```

085 | ***** *** *****
078 | ***** *** *****
071 | *****
064 | *****
057 | *****
050 | *****
-----

```

Chart Start: Day #320

NOTES:

The graphical chart of sunspot numbers is created from the daily sunspot number counts as reported by the SESC.

HF RADIO SIGNAL PROPAGATION PREDICTIONS (15 JAN - 24 JAN)

High Latitude Paths

CONFIDENCE LEVEL ----- 70%	EXTREMELY GOOD												
	VERY GOOD												
	GOOD												
	FAIR	***	*	*	**	**	**	***	***	***	***		
	POOR		* *	* *	*	*	*						
	VERY POOR												
	EXTREMELY POOR												
	-----	---	---	---	---	---	---	---	---	---	---	---	---
	PROPAGATION	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	QUALITY	Given in 8 Local-Hour Intervals											

Middle Latitude Paths

CONFIDENCE LEVEL ----- 70%	EXTREMELY GOOD												
	VERY GOOD												
	GOOD	***	**	**	**	***	***	***	***	***	***		
	FAIR		*	*	*								
	POOR												
	VERY POOR												
	EXTREMELY POOR												
	-----	---	---	---	---	---	---	---	---	---	---	---	---
	PROPAGATION	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		
	QUALITY	Given in 8 Local-Hour Intervals											

Low Latitude Paths

EXTREMELY GOOD													
VERY GOOD						*	*	*	*	*			

0%												0%	*	*	*	*	*	*	*	*	*	*
20%												20%	*	*	*	*	*	*	*	*	*	*
40%			N	O	T		P	R	E	S	E											
60%							A	V	A	I	L											
80%																						
100%																						
=====	===	===	===	===	===	===	===	===	===	===	===		-----									
100%												100%										
80%												80%										
60%												60%										
40%												40%										
20%	***	***	***	***	***	***	***	***	***	***	***	20%	*	*								
0%	***	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*	*
-----	---	---	---	---	---	---	---	---	---	---	---		-	-	-	-	-	-	-	-	-	-
CHANCE OF	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun		F	S	S	M	T	W	T	F	S	S	
VHF DX	Given in 8 hour local time intervals												AURORAL BACKSCATTER									

LOW LATITUDES

NOT	Given in 8 hour local time intervals										SWF/SID ENHANCEMENT										
AVAILABLE	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S	
											-	-	-	-	-	-	-	-	-	-	
0%											0%	*	*	*	*	*	*	*	*	*	
20%											20%	*	*	*	*	*	*	*	*	*	
40%			NOT PRESENTLY									40%									
60%			AVAILABLE									60%									
80%											80%										
100%											100%										
=====	===	===	===	===	===	===	===	===	===	===		-----									
100%											100%										
80%											80%										
60%											60%										
40%	*	*	*	*	*	*	*	*	*	*	40%										
20%	***	***	***	***	***	***	***	***	***	***	20%										
0%	***	***	***	***	***	***	***	***	***	***	0%	*	*	*	*	*	*	*	*	*	
-----	---	---	---	---	---	---	---	---	---	---		-	-	-	-	-	-	-	-	-	
CHANCE OF	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	F	S	S	M	T	W	T	F	S	S	
VHF DX	Given in 8 hour local time intervals										AURORAL BACKSCATTER										

NOTES:

These VHF DX prediction charts are defined for the 30 MHz to 220 MHz bands. They are based primarily on phenomena which can affect VHF DX propagation globally. They should be used only as a guide to potential DX conditions on VHF bands. Latitudinal boundaries are the same as those for the HF predictions charts.

AURORAL ACTIVITY PREDICTIONS (15 JAN - 24 JAN)

High Latitude Locations

CONFIDENCE LEVEL ----- 70%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE	*	*	*								
	LOW	***	***	***	***	***	***	*	*	*	*	
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Middle Latitude Locations

CONFIDENCE LEVEL ----- 75%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW	***	***	*								
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

Low Latitude Locations

CONFIDENCE LEVEL ----- 90%	EXTREMELY HIGH											
	VERY HIGH											
	HIGH											
	MODERATE											
	LOW											
	NOT VISIBLE	***	***	***	***	***	***	***	***	***	***	***
	-----	---	---	---	---	---	---	---	---	---	---	---
	AURORAL	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
	INTENSITY	Eve.Twilight/Midnight/Morn.Twilight										

NOTE:

For more information regarding these charts, send a request for the document, "Understanding Solar Terrestrial Reports" to: "Oler@Rho.Uleth.Ca" or to: "Coler@Solar.Stanford.Edu". This document, as well as others and related data/forecasts exist on the STD BBS at: (403) 756-3008.

** End of Report **

Date: Thu, 14 Jan 1993 18:51:49 GMT
From: usc!sol.ctr.columbia.edu!ucselx!crash!telesoft!garym@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan13.155037.9793@telesoft.com>,
<1993Jan13.215114.14333@telesoft.com>, <1993Jan14.160128.7138@telesoft.com>
Subject : STS-54 Element Set (014.19)

These elements for STS-54 are based on NORAD radar data as of orbit 11.
They come from GSFC and JSC courtesy of John Shalamskas.
--GaryM

STS-54
1 22313U 93 3 A 93014.19963947 0.00049404 00000-0 20070-3 0 41
2 22313 28.4702 150.2479 0021824 189.6305 170.3888 15.84317152 117

Satellite: STS-54
Catalog number: 22313
Epoch time: 93014.19963947 (14 JAN 93 04:47:28.85 UTC)
Element set: GSFC-004
Inclination: 28.4702 deg
RA of node: 150.2479 deg Space Shuttle Flight STS-54
Eccentricity: 0.0021824 Keplerian Elements
Arg of perigee: 189.6305 deg
Mean anomaly: 170.3888 deg
Mean motion: 15.84317152 rev/day Semi-major Axis: 6696.3804 Km
Decay rate: 0.49E-03 rev/day*2 Apogee Alt: 332.61 Km
Epoch rev: 11 Perigee Alt: 303.38 Km

NOTE - This element set is based on NORAD element set # 004.
The spacecraft has been propagated to the next ascending
node, and the orbit number has been adjusted to bring it
into agreement with the NASA numbering convention.

R.A. Parise, Goddard Space Flight Center
G.L.CARMAN

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Gary Morris KK6YB Internet: elements-request@telesoft.com
San Diego, CA, USA Phone: +1 619-457-2700

End of Info-Hams Digest V93 #61
